Supporting Information

Enhancing Hydrostability and Catalytic Performance of MOF-5 by Hybridizing with Attapulgite, A Natural Clay

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Fig. S1  Crystal structure of attapulgite.

Fig. S2  A typical SEM image of attapulgite.
**Fig. S3** A typical TEM image of attapulgite.

**Fig. S4** SEM images of (a, b) MA-2 and (c, d) MA-4.
**Fig. S5** Friedel-Crafts alkylation of benzyl bromide with toluene over MOF-5 and MA-3 before and after exposure to humid atmosphere for 3 h.

**Fig. S6** XRD patterns of the fresh catalyst MOF-5 and the catalyst recovered after six runs.
Fig. S7 Elemental mapping of the hybrid material MA-3.
**Fig. S8** (A) N₂ adsorption-desorption isotherms at 77 K and (B) pore size distributions of MOF-5, MA-3, and MA-3(m).

**Fig. S9** XRD patterns of MOF-5, MA-3, and MA-3(m) after exposure to humid atmosphere for 3 h.